Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-58. (Canceled).

59. (Newly added)   A method for evaluating the haplotype of an allele of the ApoE gene of a patient, the method comprising:

(a)   identifying the nucleotide present in a selected ApoE allele at nucleotides 19311 and 23707 of SEQ ID NO:5; and

(b)   identifying the nucleotide present in the selected ApoE allele at one or more of nucleotides 16747, 17030 and 17785 of SEQ ID NO:5.

60. (Newly added)   A method for evaluating whether an allele of the ApoE gene of a patient is an E4 allele, an E3 allele or an E2 allele, the method comprising:

(a)   identifying the nucleotide present in a selected ApoE allele at nucleotides 19311 and 23707 of SEQ ID NO:5;

(b)   identifying the nucleotide present in the selected ApoE allele at one or more of nucleotides 16747, 17030 and 17785 of SEQ ID NO:5; and

(c)   evaluating whether the selected allele of the ApoE gene of a patient is an E4 allele, an E3 allele or an E2 allele based on the nucleotides identified in steps (a) and (b).